Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Construction and Developments of roads in Kempegowda ward no:01 of Yelahanka sub division

DETAILED ESTIMATE

Est Cost: 40.00 Lakhs

Sl No	Description of work	Unit	No	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications MORTH/ Chapter 3 (KPWD SR 2018019 page no 143, item No 19.1 I No-19.1)								
		Cum							
	Rate Analysis								
	Basic rate	130.00							
	Area Weightage @6%	7.80							
	Lead for 5 km (2x1.28x5)+57and Lift	69.80							
	Total	207.60							
	New RCC Drain								
	Sewage Water Treatment plant Road from jakkur Main Road								
	185-410	Lhs	1	274.00	1.10	0.90	271.26		
	Market Back side road (Indira Canteen)		1	80.70	1.10	0.85	75.45		
	Shivanahalli 1st Cross Both side		2	20.85	1.10	0.85	38.99		
	Shivanahalli 2nd Cross		1	19.70	1.10	0.82	17.77		
	Shivanahalli 3rd Cross Both Side		2	20.00	1.10	0.85	37.40		
	Shivanahalli 4th Cross Both Side		2	22.05	1.10	0.85	41.23		
						Total Quantity	482.11	207.60	100085.39
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. (P.No-13,I No-4.2,KPWD SR 2018-19)								
		Sqm							
	Basic rate	5194.00							
	Area Weightage 6%	311.64							
	Total	5505.64							
	New RCC Drain								
	Sewage Water Treatment plant Road from jakkur Main Road								
	185-410	Lhs	1	274.00	1.00	0.15	41.10		
	Market Back side road(Indira Canteen)		1	80.70	1.00	0.15	12.11		
	Shivanahalli 1st Cross Both side		2	20.85	1.00	0.15	6.26		
	Shivanahalli 2nd Cross		1	19.70	1.00	0.15	2.96		
	Shivanahalli 3rd Cross Both Side		2	20.00	1.00	0.15	6.00		
	Shivanahalli 4th Cross Both Side		2	22.05	1.00	0.11	4.85		
						Total Quantity	73.20	5505.64	403012.85
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification..and site engineer in incharge								

9/6/20
9/11/20
9/8/20

	Description of work	Unit	No	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
		cum							
	Basic rate	6670.00							
	Area Weightage 6%	400.20							
	Total	**7070.20**							
	New RCC Drain								
	Raft								
	Sewage Water Treatment plant Road from jakkur Main Road								
	185-410	Lhs	1	274.00	1.00	0.15	41.10		
	Market Back side road (Indira Canteen)		1	80.70	1.00	0.15	12.11		
	Shivanahalli 1st Cross Both side		2	20.85	0.90	0.15	5.63		
	Shivanahalli 2nd Cross		1	19.70	0.90	0.15	2.66		
	Shivanahalli 3rd Cross Both Side		2	20.00	0.90	0.15	5.40		
	Shivanahalli 4th Cross Both Side		2	22.05	0.90	0.15	5.95		
	Wall								
	Sewage Water Treatment plant Road from jakkur Main Road								
	185-410	Lhs	2	274.00	0.15	0.70	57.54		
	Market Back side road (Indira Canteen)		2	80.70	0.15	0.70	16.95		
	Shivanahalli 1st Cross Both side		4	20.85	0.15	0.70	8.76		
	Shivanahalli 2nd Cross		2	19.70	0.15	0.70	4.14		
	Shivanahalli 3rd Cross Both Side		4	20.00	0.15	0.63	7.56		
	Shivanahalli 4th Cross Both Side		4	22.05	0.15	0.60	7.94		
						Total Quantity	**175.68**	**7070.20**	**1242092.74**
4	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications .and site engineer in incharge								
		Tonne							
	Rate Analysis								
	Basic rate	69804.00							
	Area Weightage 6%	4188.24							
	Total	**73992.24**							
	Considering 60 kgs for drain per Cum		**1.00**	17568		0.06	10.54		
						Total Quantity	**10.54**	**73992.24**	**779878.21**
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	For Covering slab								
	Sewage Water Treatment plant Road from jakkur Main Road								
	185-410	Lhs	1	262.00	0.90		235.80		
	Market Back side road (Indira Canteen)		1	80.50	0.90		72.45		
	Shivanahalli 1st Cross Both side		2	20.85	0.90		37.53		
	Shivanahalli 2nd Cross		1	19.70	0.90		17.73		
	Shivanahalli 3rd Cross Both Side		2	20.00	0.90		36.00		
	Shivanahalli 4th Cross Both Side		2	22.05	0.90		39.69		
						Total Quantity	**439.20**	**2337.00**	**1026410.40**

Sl. No.	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
								Total Construction Amount	3564732.00
								Add GST Charges 12%	427768.00
								Sub Total	3992500.00
								Miscellaneous and unforeseen charges etc.L.S	7500.00
								Grand Total	4000000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2018-19 and issuse rate on 01-01-2019

Assistant Engineer
Ward No.01
BBMP

Assistant Executive Engineer
Yelahanka Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Asst. Executive Engineer
Yelah. Sub. Division
(BBMP Ynk. Zn.)
Yelahanka, Bangalore

Sanction for Rs. 40.00 lakhs
forty lakhs only

is accorded under head P-3296
2019-20 14th finance Commission
works

Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No EE/YNK/DS/81/2019-20 Dt. 20/01/2020

Executive Engineer

Rs 40,00,000/-
FORTY LAKH ONLY

P 3296

Job Code No 001-20-000032

Registered as SE(Y)/TS/ 30 / 19-20 subject
to conditions contained in enclosed memo
No 30 / 19-20 Dated: 30/01/2020

30-01-2020

AE/JE TA SE